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L15 ANSWER 160 OF 162 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:26288 CAPLUS
DOCUMENT NUMBER: 126:74876
TITLE: Preparation of 5-(tetrahydrofuran-3-yl)methyl-4-nitroiminoperhydro-1,3,5-oxadiazine derivatives as insecticides
INVENTOR(S): Matsuo, Shingo; Wakita, Takeo; Odaka, Kenji; Shiraishi, Shiro
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|----------|
| JP 08291171 | A2 | 19961105 | JP 1995-95147 | 19950420 |
| PRIORITY APPLN. INFO.: | | | JP 1995-95147 | 19950420 |
| OTHER SOURCE(S): | MARPAT 126:74876 | | | |
| AB | The title compds. (I; R = C1-3 alkyl), which show a broad spectrum of excellent herbicidal activity in spite of lacking 1-oxidopyridiniomethyl or thiazolylmethyl structure, are prepared Thus, 3-methyl-4-nitroiminoperhydro-1,3,5-oxadiazine was alkylated by tetrahydrofuran-3-nylmethyl mesylate (preparation given) in the presence of K2CO3 in DMF at 80° for 1 h to give 40% I (R = Me). This compound at 100 ppm killed 100% adult Laodelphax striatellus and Nephotettix cincticeps on rice seedlings and adult Spodoptera litura on sweet potato leaves. | | | |
| IT | 185043-87-2P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (tetrahydrofuranylmethyl) (nitroimino)perhydrooxadiazine derivs. as insecticides) | | | |
| RN | 185043-87-2 CAPLUS | | | |
| CN | 4H-1,3,5-Oxadiazin-4-imine; tetrahydro-3-methyl-N-nitro-5-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME) | | | |

